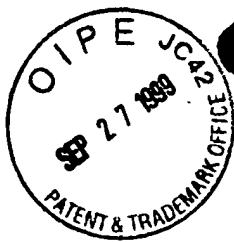


REALNET.034A



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | | |
|-----------|---|----------------------------|---|
| Applicant | : | Pitzel, et al. |) |
| | | |) |
| App. No. | : | 09/318,438 |) |
| | | |) |
| Filed | : | May 25, 1999 |) |
| | | |) |
| For | : | SYSTEM AND METHOD FOR |) |
| | | UPDATING INFORMATION VIA A |) |
| | | NETWORK |) |
| | | |) |
| Examiner | : | Unknown |) |
| | | |) |

ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION
AND
REVOCATION AND POWER OF ATTORNEY

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). A true copy of the original Assignment of the above-captioned application from the inventor(s) to the Assignee is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventor(s) to the Assignee.

I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 620 Newport Center Drive, Sixteenth Floor, Newport Beach, California 92660, Telephone (949) 760-0404, **Customer No. 20,995**, as its attorneys with full power of substitution and

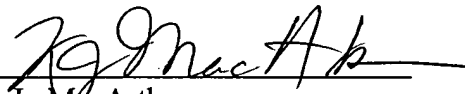
App. No. : 09/318,438
Filed : May 25, 1999

revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please use **Customer No. 20,995** for all communications.

RealNetworks, Inc

Dated: 9-14-99

By: 
Kelly Jo MacArthur

Title: Vice President & General Counsel

Address: 2601 Elliott Avenue, Seattle, Washington
98121

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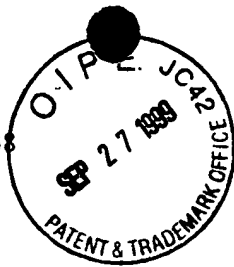
COPY

PATENT

Client Code: REALNET.034A

Page 1

Application No.: 09/318,438
Filing Date: May 25, 1999



ASSIGNMENT

WHEREAS, We, Brad Pitzel, a Canadian citizen, residing at 733 Summit Avenue East # 410, Seattle, Washington 98102, and Stanislav Bobrovskiy, a citizen of Ukraine, residing at 5225 North East 193rd Place, Lake Forest Park, Washington 98155, have invented certain new and useful improvements in a SYSTEM AND METHOD FOR UPDATING INFORMATION VIA A NETWORK for which we have filed an application for Letters Patent in the United States, 09/318,438, filed on May 25, 1999;

AND WHEREAS, RealNetworks, Inc (hereinafter "ASSIGNEE"), a Washington Corporation, with its principal place of business at 2601 Elliott Avenue, Seattle, Washington 98121, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 14th day of September 1999

Brad Pitzel
Brad Pitzel

STATE OF WA

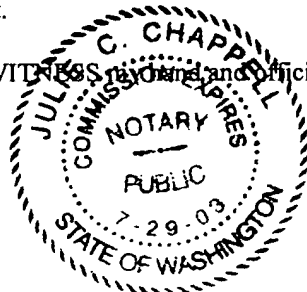
COUNTY OF King

ss.

On September 14, 1999, before me, Julie C. Chappell, personally appeared Brad Pitzel personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

[SEAL]

WITNESSE my hand and official seal.



Julie C. Chappell
Notary Signature Julie C. Chappell

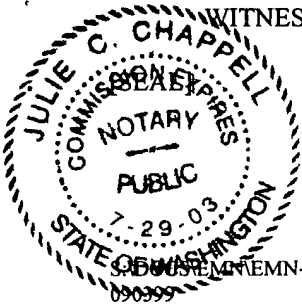
IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 8 day of September 1999

Stanislav Bobrovski
Stanislav Bobrovski

STATE OF WA
COUNTY OF King ss.

On September 8, 1999, before me, Julie C. Chappell, personally appeared he personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Julie C. Chappell
Notary Signature Julie C. Chappell